

TRUCKEE RIVER BASIN, TRUCKEE RIVER BASIN

10340500 PROSSER CREEK BELOW PROSSER CREEK DAM, NEAR TRUCKEE, CA

LOCATION.—Lat 39°22'24", long 120°07'50", in NW ¼ NE ¼ sec.31, T.18 N., R.17 E., Nevada County, Hydrologic Unit 16050102, on left bank, 300 ft downstream from Station Creek, 0.5 mi downstream from Prosser Creek Dam, 0.9 mi upstream from mouth, and 4.2 mi northeast of Truckee.

DRAINAGE AREA.—52.9 mi².

PERIOD OF RECORD.—October 1902 to June 1903 (gage heights only), October 1942 to December 1950, June 1951 to current year. Prior to October 1976, published as "near Boca." Monthly discharge only for October 1942 to December 1950 published in WSP 1734; daily discharge in files of U.S. Geological Survey. Records for April 1889 to November 1890, published in the 11th and 12th Annual Reports, Part 2, have been found to be unreliable and should not be used.

WATER TEMPERATURE: Water years 1993–98.

REVISED RECORDS.—WDR CA-79-3: Drainage area.

GAGE.—Water-stage recorder. Datum of gage is 5,602.31 ft above NGVD of 1929 (levels by U.S. Bureau of Reclamation). See WSP 2127 for history of changes prior to September 1956. October 1956 to May 1976, water-stage recorder at site 0.8 mi downstream at datum 29.69 ft lower.

REMARKS.—Records good. Flow regulated by Prosser Creek Reservoir (station 10340300) since Jan. 30, 1963. [See schematic diagram of Truckee River Basin, Lake Tahoe and Truckee River Basin.](#)

EXTREMES FOR PERIOD OF RECORD.—Water years 1943–63, prior to construction of Prosser Creek Dam, maximum discharge, 4,560 ft³/s, Dec. 23, 1955, gage height, 10.13 ft, present datum, from rating curve extended above 910 ft³/s, on basis of slope-area measurement of peak flow, maximum gage height, 11.0 ft, from floodmarks, present datum, Nov. 20, 1950; minimum discharge, 0.4 ft³/s, July 18, 1961, result of work on dam upstream. Maximum discharge since construction of Prosser Creek Dam in 1963, 2,030 ft³/s, Jan. 3, 1997, gage height, 6.72 ft, from rating curve extended above 880 ft³/s, on basis of valve setting at Prosser Creek Dam; minimum daily, 0.02 ft³/s, Jan. 2, 1975, result of temporary closing of Prosser Creek Dam for spillway maintenance.

DISCHARGE, CUBIC FEET PER SECOND, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	129	12	11	48	26	39	149	105	76	50	81	111
2	128	11	11	43	26	39	149	105	100	50	81	112
3	128	11	11	33	26	39	150	105	100	50	80	111
4	128	11	11	33	25	39	151	105	84	50	80	110
5	127	20	11	33	23	39	151	106	72	50	80	110
6	127	34	12	33	23	40	151	106	72	50	80	109
7	126	33	11	33	23	40	152	106	71	49	80	110
8	126	33	52	34	23	40	152	108	71	50	80	110
9	125	33	82	34	23	41	138	109	71	50	80	109
10	125	33	82	34	23	71	128	108	71	49	81	108
11	125	34	64	34	23	94	128	108	71	49	80	108
12	125	33	e30	29	23	95	128	109	72	49	80	106
13	124	28	e20	25	22	95	128	109	73	49	80	105
14	123	21	e20	25	22	96	128	86	73	49	80	104
15	103	20	e20	25	22	120	107	58	73	49	80	104
16	94	20	e20	25	23	157	81	59	73	49	79	83
17	93	21	e20	25	23	181	78	59	74	49	79	57
18	93	21	20	25	24	181	78	59	74	49	79	52
19	93	17	20	25	57	181	78	59	74	49	79	51
20	92	11	20	25	74	182	78	59	74	48	79	41
21	79	11	21	25	73	183	92	59	74	48	78	12
22	58	11	20	25	73	216	102	60	73	48	77	6.5
23	38	11	20	25	73	285	102	60	73	48	91	6.4
24	17	11	21	26	73	315	102	44	73	48	111	6.5
25	12	11	21	26	74	318	103	21	64	48	110	6.9
26	11	11	20	26	74	271	103	13	50	48	110	6.7
27	11	11	21	26	55	237	103	14	50	60	111	6.0
28	11	11	21	26	40	236	102	14	50	67	112	7.9
29	11	11	31	26	39	185	103	14	50	67	111	8.2
30	11	11	48	26	---	148	104	14	50	76	111	8.5
31	11	---	48	26	---	149	---	31	---	81	110	---
TOTAL	2604	567	840	904	1128	4352	3499	2172	2126	1626	2730	1986.6
MEAN	84.0	18.9	27.1	29.2	38.9	140	117	70.1	70.9	52.5	88.1	66.2
MAX	129	34	82	48	74	318	152	109	100	81	112	112
MIN	11	11	11	25	22	39	78	13	50	48	77	6.0
AC-FT	5170	1120	1670	1790	2240	8630	6940	4310	4220	3230	5410	3940

e Estimated.

